



Full Species List of Fish

Forty-one species of fish have been recorded in park waters. The mountain streams of the park are one of the last protected strongholds of the native eastern brook trout (*Salvelinus fontinalis*) in Virginia. The cool forested slopes give rise to clear cold streams, providing excellent habitat for the species. Of the approximately 90 small streams in the park, most contain brook trout. Other common species known to occur in the park include blacknose and longnose dace (*Rhinichthys atratulus*, *Rhinichthys cataractae*), mottled sculpin (*Cottus bairdii*), bluehead chub (*Nocomis leptcephalus*), and fantail darter (*Etheostoma flabellare*).

Flood and drought events are likely the leading causes of sudden and dynamic change within fish populations in park streams. Other external stressors include the presence of non-native predatory fish, changes in water chemistry due to acid deposition, and water temperature rise due to climate change. Fortunately, brook trout are highly acid-tolerant and continue to reproduce in the park's most acidified streams; however, aquatic systems within the park could become more acidic over time. Water temperature has gradually increased over the last 30 years within the park. If this trend continues, it will reduce the amount of suitable habitat for brook trout and possibly extirpate populations in some smaller low elevation streams.

This checklist was compiled on March 10, 2015 using data exported from the National Park Service NPSpecies database. The database can be accessed at <https://irma.nps.gov/NPSpecies/>. Here you will find search tools that make it possible to create updated or customized lists. This checklist and others is found at <https://irma.nps.gov/NPSpecies/Search/SpeciesList/SHEN>. Lists are currently available for the following: mammals, birds, fish, reptiles, amphibians, butterflies, plants (complete list), trees and shrubs, wildflowers, ferns, and grasses. Please be advised that Latin scientific names often change as a result of new research; therefore, scientific names used here may not reflect the most current accepted nomenclature.



Rhinichthys atratulus



Salvelinus fontinalis



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Bookmark this report: [https://irma.nps.gov/NPSpecies/Reports/Park/Species List/SHEN?](https://irma.nps.gov/NPSpecies/Reports/Park/Species%20List/SHEN?UnitCode=SHEN&CategoryCode=3&SortOrder=Sci&ShowSynonyms=False&ShowInReview=False)
UnitCode=SHEN&CategoryCode=3&SortOrder=Sci&ShowSynonyms=False&ShowInReview=False

This report is filtered by the following Taxonomic Categories: Fish

Scientific Name	Common Names	Occ	Abd	Nat	NPS Tags	Park Tags	GRank	SRank
Fish								
<i>Ambloplites rupestris</i>	Rock Bass	P	Uc	Nn (I)	MP; B	AQ	G5	VA: S5
<i>Ameiurus natalis</i>	Yellow Bullhead	P	R	N	R	AQ	G5	VA: S5
<i>Ameiurus nebulosus</i>	Brown Bullhead	P	O	N	R	AQ	G5	VA: S5
<i>Anguilla rostrata</i>	American Eel	P	C	N	R	AQ	G4	VA: S5
<i>Campostoma anomalum</i>	Central Stoneroller	P	Uc	N	B	AQ	G5	VA: S5
<i>Catostomus commersonii</i>	White Sucker	P	Uc	N	B	AQ	G5	VA: S5
<i>Chrosomus oreas</i>	Mountain Redbelly Dace	P	C	N	B	AQ	G5	VA: S5
<i>Clinostomus funduloides</i>	Rosyside Dace	P	A	N	B	AQ	G5	VA: S5
<i>Cottus bairdii</i>	Mottled Sculpin	P	A	N	B	AQ	G5	VA: S4
<i>Cottus girardi</i>	Potomac sculpin	P	Uc	N	B	AQ	G4	VA: S3S4
<i>Cyprinella analostana</i>	Satinfish Shiner	P	O	N	R	AQ	G5	VA: S5
<i>Cyprinella spiloptera</i>	Spotfin Shiner	P	Uc	N	R	AQ	G5	VA: S4
<i>Cyprinus carpio</i>	Common Carp	P	O	N	V	AQ	G5	VA: SNA
<i>Etheostoma blennioides</i>	Greenside Darter	P	O	N	V	AQ	G5	VA: S4
<i>Etheostoma flabellare</i>	Fantail Darter	P	C	N	B	AQ	G5	VA: S5
<i>Etheostoma nigrum</i>	Johnny Darter	P	R	N	B	AQ	G5	VA: S4
<i>Etheostoma olmstedi</i>	Tessellated Darter	P	Uc	N	B	AQ	G5	VA: S4
<i>Exoglossum maxillingua</i>	Cutlips Minnow	P	R	N	R	AQ	G5	VA: S5
<i>Hypentelium nigricans</i>	Northern Hog Sucker	P	R	N	R	AQ	G5	VA: S5
<i>Lepomis auritus</i>	Redbreast Sunfish	P	O	N	R	AQ	G5	VA: S5
<i>Lepomis cyanellus</i>	Green Sunfish	P	O	Nn (I)	R	AQ	G5	VA: S5
<i>Lepomis gibbosus</i>	Pumpkinseed	P	O	N	R	AQ	G5	VA: S5
<i>Lepomis macrochirus</i>	Bluegill	P	O	Nn	R	AQ	G5	VA: S5
<i>Lepomis megalotis</i>	Longear Sunfish	P	O	Nn	R	AQ	G5	VA: S4
<i>Lethenteron appendix</i>	American Brook Lamprey	P	O	N	R	AQ	G4	VA: S3
<i>Luxilus cornutus</i>	Common Shiner	P	Uc	N	B	AQ	G5	VA: S4
<i>Micropterus dolomieu</i>	Smallmouth Bass	P	Uc	Nn (I)	MP; B	AQ	G5	VA: S5
<i>Micropterus salmoides</i>	Largemouth Bass	P	O	Nn	V	AQ	G5	VA: S5



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Scientific Name	Common Names	Occ	Abd	Nat	NPS Tags	Park Tags	GRank	SRank
<i>Nocomis leptocephalus</i>	Bluehead Chub	P	C	N	B	AQ	G5	VA: S5
<i>Nocomis micropogon</i>	River Chub	P	C	N	B	AQ	G5	VA: S5
<i>Noturus insignis</i>	Margined Madtom	P	Uc	N	B	AQ	G5	VA: S3
<i>Oncorhynchus mykiss</i>	Rainbow Trout	P	Uc	Nn (C)	MP; B	AQ	G5	VA: SNA
<i>Pimephales notatus</i>	Bluntnose Minnow	P	Uc	U	R	AQ	G5	VA: S5
<i>Rhinichthys atratulus</i>	Blacknose Dace	P	A	N	B	AQ	G5	VA: S5
<i>Rhinichthys cataractae</i>	Longnose Dace	P	A	N	B	AQ	G5	VA: S4
<i>Salmo trutta</i>	Brown Trout	P	Uc	Nn (I)	MP; B	AQ	G5	VA: SNA
<i>Salmo trutta</i> X <i>Salvelinus fontinalis</i>	Tiger Trout	P	R	Nn	MP; R	AQ		
<i>Salvelinus fontinalis</i>	Brook Trout	P	A	N	EC, MP; B	AQ	G5	VA: S4
<i>Semotilus atromaculatus</i>	Creek Chub	P	C	N	B	AQ	G5	VA: S5
<i>Semotilus corporalis</i>	Fallfish	P	Uc	N	R	AQ	G5	VA: S5
<i>Thoburnia rhothoeca</i>	Torrent Sucker	P	C	N	B	AQ	G4	VA: S4
Report Species Count: 41								

NPSpecies - The National Park Service biodiversity database. IRMA Portal version. <https://irma.nps.gov/npspecies/>. Accessed 6/23/2015 2:22:51 PM

Key

	Code	Term	Definition
Occurrence (Occ)	P	Present	Species occurs in park; current, reliable evidence available.
	PP	Probably Present	High confidence species occurs in park but current, verified evidence needed.
	Un	Unconfirmed	Species is attributed to park but evidence is weak or absent.
	NP	Not In Park	Species is not known to occur in park.
Occurrence Tags	A	Adjacent	Species is known to occur in areas near to or contiguous with park boundaries.
	FR	False Report	Species was reported to occur within the park, but current evidence indicates the report was based on misidentification, a taxonomic concept no longer accepted, or other similar problem of error or interpretation.
	H	Historical	Species' historical occurrence in park is documented. Assigned based on judgment as opposed to determination based on age of the most recent evidence.
Abundance (Abd)	A	Abundant	Animals: May be seen daily, in suitable habitat and season, and counted in relatively large numbers. Plants, Chromista, Protozoa, and Fungi: Large number of individuals; wide ecological amplitude or occurring in habitats covering a large portion of the park



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Abundance (Abd)	C	Common	Animals: May be seen daily, in suitable habitat and season, but not in large numbers. Plants, Chromista, Protozoa, and Fungi: Large numbers of individuals predictably occurring in commonly encountered habitats but not those covering a large portion of the park
	Uc	Uncommon	Animals: Likely to be seen monthly in appropriate habitat and season. May be locally common. Plants, Chromista, Protozoa, and Fungi: Few to moderate numbers of individuals; occurring either sporadically in commonly encountered habitats or in uncommon habitats
	R	Rare	Animals: Present, but usually seen only a few times each year. Plants, Chromista, Protozoa, and Fungi: Few individuals, usually restricted to small areas of rare habitat
	O	Occasional	Animals: Occurs in the park at least once every few years, varying in numbers, but not necessarily every year. Plants, Chromista, Protozoa, and Fungi: Abundance variable from year to year (e.g., desert plants)
	U	Unknown	Abundance unknown
Nativeness (Nat)	N	Native	Species naturally occurring in park or region.
	Nn	Non-native	Species occurring on park lands as a result of deliberate or accidental human activities.
	U	Unknown	Nativeness status is unknown or ambiguous.
Nativeness Tags	R	Restoration	Also refers to reintroductions. Native species that has been extirpated or substantially diminished from the park as a result of human-induced change, and that has been or is in the process of being restored.
	C	Cultivated	Species has been introduced or is maintained as part of the park's mission, significance, or cultural landscape (e.g., orchards, crops, fields)
	I	Invasive	Non-native species whose introduction is likely to cause economic or environmental harm.
	N	Noxious	Designation by a governmental authority. Species grows aggressively and has broad environmental tolerance that allows it to establish in many locations.
Management Tags	EC	Exploitation Concern	Species is considered a target for collection, poaching, commercial harvesting, or other non-permitted or exploitative activities.
	MP	Management Priority	Species warrants particular management attention as determined by park management staff.
Seasonality Tags	B	Breeder	Population reproduces in the park.
	R	Resident	A significant population is maintained in the park but does not breed within park boundaries.
	M	Migratory	Species occurs in the park only while in transition between breeding and wintering grounds.
	S	Summer	Typically spending only summer months in the park.
	W	Winter	Typically spending only winter months in the park.
	V	Vagrant	Park is outside of species' usual range.



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ParkTags	Code	Term	Definition
Vegetation Life Form	Form		
	Tr	Tree	Tree
	Sh	Shrub	Shrub
	Vi	Vine	Vine
	He	Herb	Herb
	Gr	Graminoid	Graminoid (grass)
	Fe	Fern	Fern
	Ly	Lycopod	Lycopod
Habitat	Hab		
	AQ	Aquatic	Within rivers, streams and ponds
	CU	Cultural	Planted by humans, either by pre-park residents or park employees/contractors
	FE	Forest Edge	Forest borders and field margins
	ME	Meadow	Meadows, fields, lawns, forest clearings, and ruderal habitats
	MF	Mesic forest	Mesic and dry-mesic forests; represents a majority of park's forested area
	RO	Rock outcrop	Exposed and shaded outcrops, boulder fields, talus slopes, and rocky barrens
	SS	Shrub/Scrub	Second growth forest and habitats dominated by shrubs
	WL	Wetland	Riparian areas, seeps, springs, fens, swamps, and wetland hummocks
	XF	Xeric forest	Dry forests, including heath woodlands and shrublands
Seasons when the species is most easily encountered.	Seas		
	Sp	Spring	Spring (Mar, Apr, May)
	Su	Summer	Summer (Jun, Jul, Aug)
	Fa	Fall	Fall (Sept, Oct)
	Wi	Winter	Winter (Nov, Dec, Jan, Feb)
	All	All Year	All Year Round

GRank and SRank information is provided by NatureServe (www.natureserve.org) and its network of natural heritage member programs, a leading source of information about rare and endangered species, and threatened ecosystems.